

8/4/201, 200

(C2/4.04) 89

11/5/03

CLAIMS 165/104.18

407,  
259.4

626

We claim:

1. A HVAC system for reducing contaminant entry, said system having an evaporator compartment comprised of:

5 a compartment housing; (4)

(10 & 12) a supply air duct and a return air duct coupled to said housing; (6)

an evaporator coil disposed within said housing; (14) (X)

(16) a fan assembly disposed within said housing, said fan assembly having a fan motor and an impeller attached to said fan motor wherein said impeller is a radial fan impeller. Fig. 6.

10 2. The HVAC system described in claim 1 wherein said radial fan impeller is disposed perpendicular to said evaporator coil. Fig. 1

3. The HVAC system described in claim 1 wherein said radial fan impeller is disposed adjacent to said return air duct. (Fig. 1)

15 4. The HVAC system described in claim 1 wherein said radial fan impeller is comprised of at least one of the materials from the following group: plastic, ceramic, metal alloy or fiber compositions.

w/ 0.8mm  
Al alloy

col 6  
21-22

Hibox w/ Ibram

w/ Roberts

REPLACEMENT SHEET  
 HVAC SYSTEM WITH ENVIRONMENTAL CONTAMINANT PROTECTION  
 INVENTOR: GERALD W. SOLOMON  
 SN: 10/701,536  
 ATTY: DONALD E. HASSE; PHONE: (513) 229-0383



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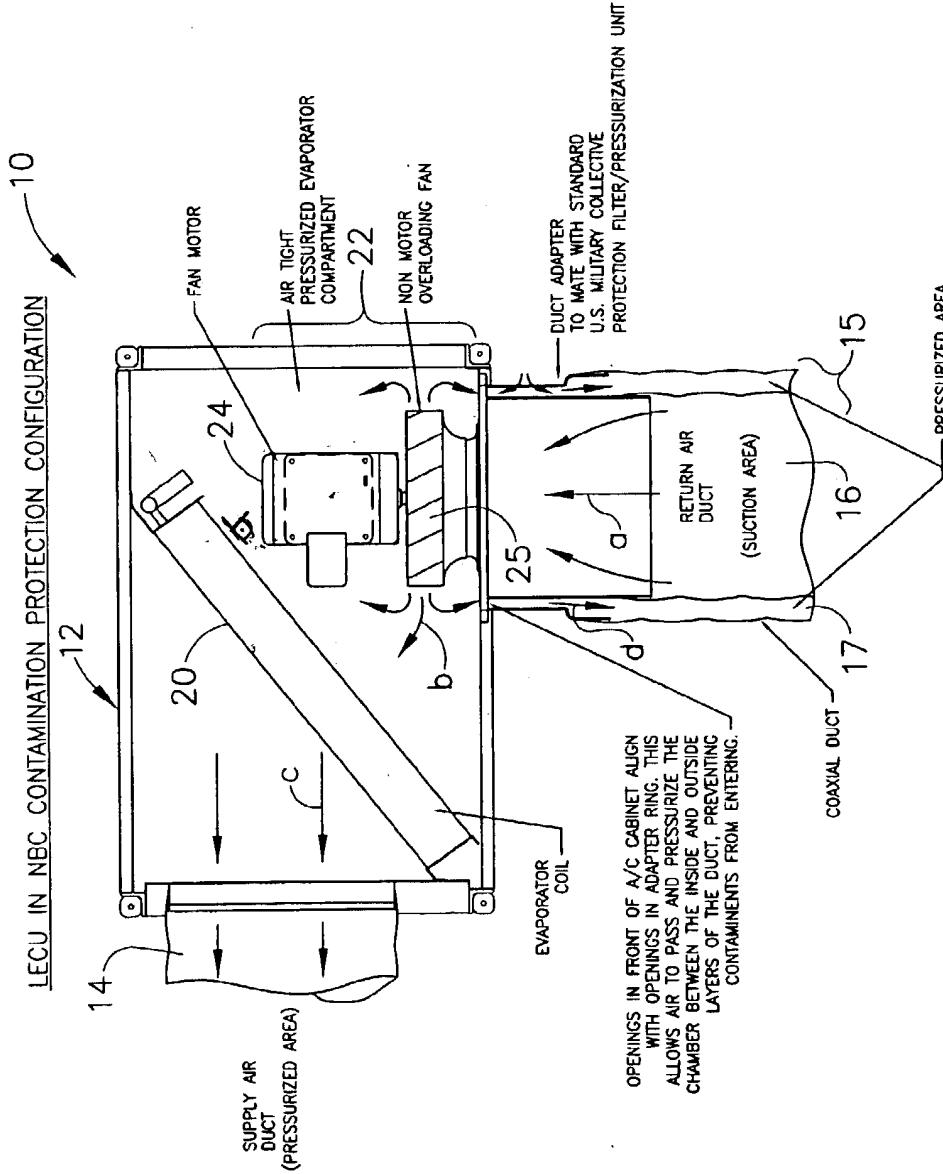


FIG. 1A

REPLACEMENT SHEET  
HVAC SYSTEM WITH ENVIRONMENTAL CONTAMINANT PROTECTION  
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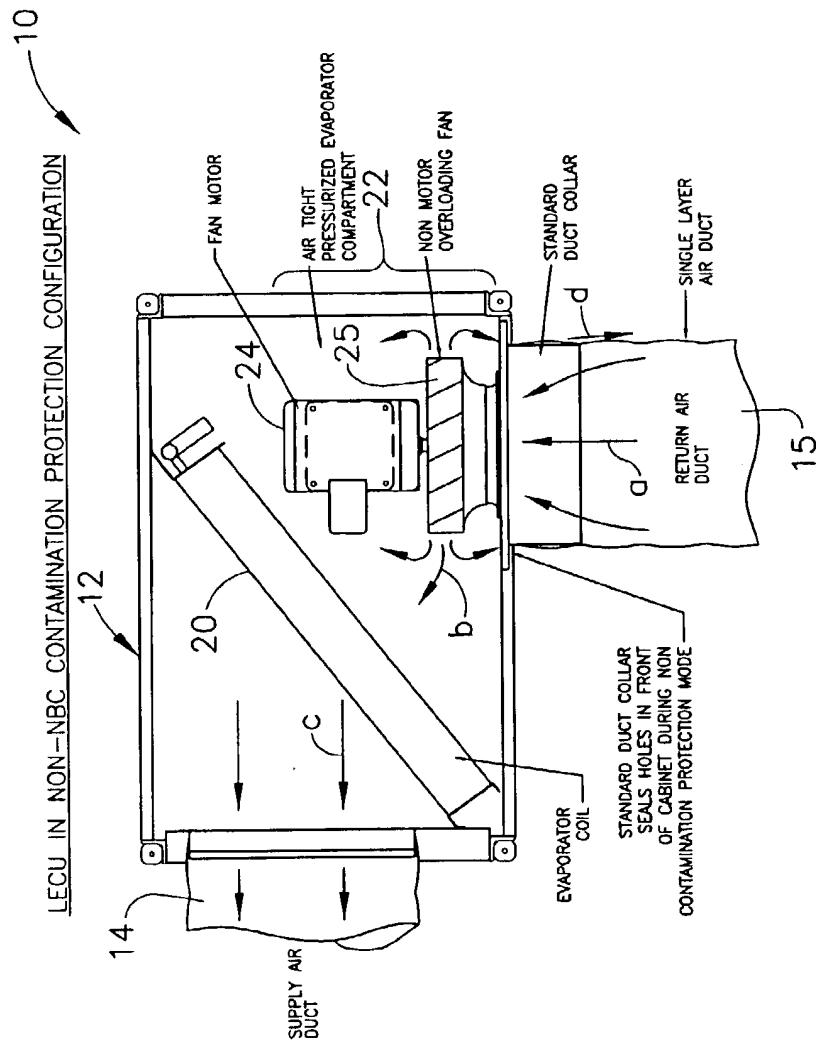


FIG. 1B

REPLACEMENT SHEET  
HVAC SYSTEM WITH ENVIRONMENTAL CONTAMINANT PROTECTION  
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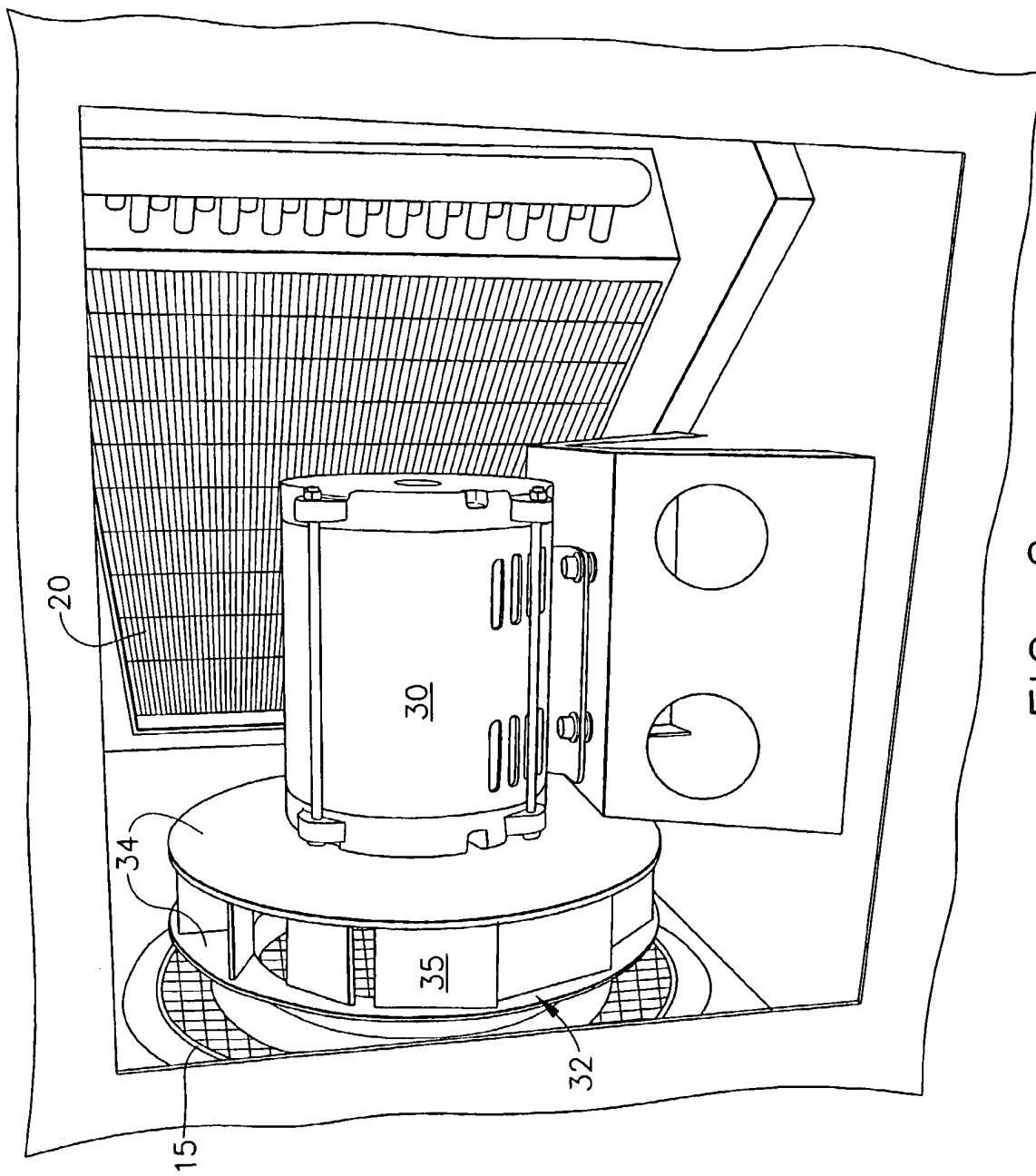


FIG. 2

REPLACEMENT SHEET  
HVAC SYSTEM WITH ENVIRONMENTAL CONTAMINANT PROTECTION  
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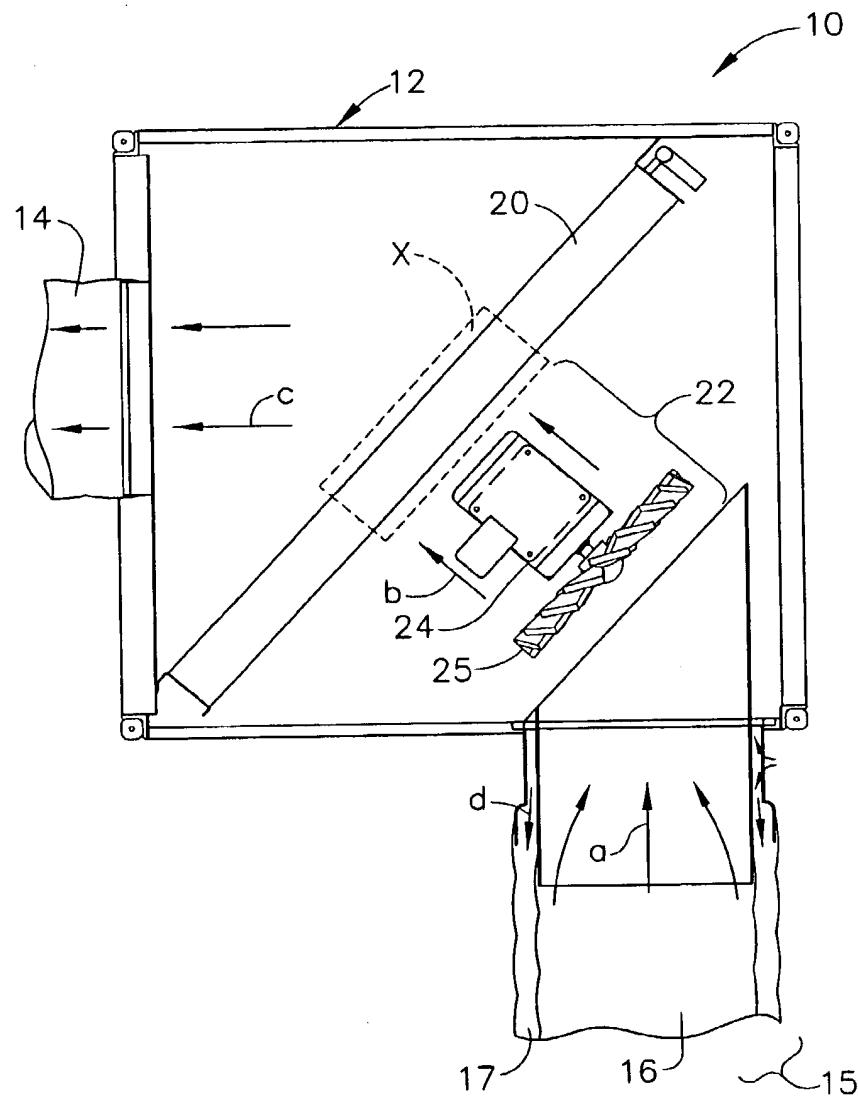


FIG. 3